

Well Name: POKER LAKE UNIT 28 BS	Well Location: T25S / R31E / SEC 28 / SENE / 32.102202 / -103.776861	County or Parish/State: EDDY / NM
Well Number: 707H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC0063136A, NMLC062140A	Unit or CA Name: POKER LAKE	Unit or CA Number: NMNM071016X, NMNM71016X
US Well Number: 3001545732	Well Status: Approved Application for Permit to Drill	Operator: BOPCO LP

Subsequent Report

Type of Submission: Subsequent Report**Type of Action:** Drilling Operations**Date Sundry Submitted:** 01/22/2021**Time Sundry Submitted:** 02:18**Date Operation Actually Began:** 07/10/2020

Actual Procedure: XTO PERMIAN OPERATING LLC respectfully submits this sundry notice to report the completion operations of the referenced well. KOP @ depth 11,073 ft. PBTD = 24,533 ft. 7/10/20 Run RCB/GR/CCL 9/7/20 Pressure test 5.5 in csg to 7000 psi for 30min test good, open sleeve. 9/7/20 to 10/6/20: Perf and frac 62 stages, 1,488 total shots, from 12,060 to 24,442, using 646,521 bbls of fluid and 31,079,117 lbs Proppant. Tag and drill out plugs. 1/5/21 Run 2-7/8 L80 tubing set at 11,078 ft. 12/22/20 Packer setting depth 11,110 ft. Ready Date: 01/14/2021 First Production: 01/15/2021

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Lease Number: NMLC0063136A, NMLC062140A **Unit or CA Name:** POKER LAKE **Unit or CA Number:** NMNM071016X, NMNM71016X

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Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: RABADUE

Signed on: JAN 22, 2021 02:18 PM

Name: BOPCO LP

Title: Regulatory Coordinator

Street Address: 6401 HOLIDAY HILL RD BLDG 5 SUITE 200

City: MIDLAND

State: TX

Phone: (432) 683-2277

Email address:

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: Jonathon W Shepard

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Accepted

Disposition Date: 01/29/2021

Signature: Jonathon Shepard



Survey Certification

April 29, 2020

State of New Mexico
County of Eddy

I, Jack Simmons, certify that; I am employed by Geoguidance Drilling Services; that I did on the day(s) of October 09, 2019 through November 22, 2019 conduct or supervise the taking of a directional MWD survey from a depth of 146 feet to a depth of 24468 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Geoguidance Drilling Services; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc. for Poker Lake Unit 28 BS #707H API No. 30-015-45732 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Geoguidance Drilling Services.

Jack Simmons

Survey Instrument Type
MWD

Jack Simmons
MWD Manager
Drilling Services



XTO ENERGY INC.

**EDDY COUNTY, NM
POKER LAKE UNIT 28 BS
PLU 28 BS 707H (107H)
PLU 28 BS 707H**

Design: PLU 28 BS 707H

FINAL SURVEY REPORT

22 November, 2019





GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 28 BS 707H (107H)
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Project	EDDY COUNTY, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	POKER LAKE UNIT 28 BS		
Site Position:		Northing:	390,000.00 usft
From:	Map	Easting:	672,000.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.071009
		Longitude:	-103.778061
		Grid Convergence:	0.29 °

Well		PLU 28 BS 707H (107H), SUR. N 401304.4 E 672461.10				
Well Position	+N/-S	0.00 usft	Northing:	401,304.40 usft	Latitude:	32.102077
	+E/-W	0.00 usft	Easting:	672,461.10 usft	Longitude:	-103.776384
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,337.00 usft

Wellbore	PLU 28 BS 707H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/26/2019	6.79	59.89	47,611

Design	PLU 28 BS 707H			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.83



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Survey Program		Date	11/22/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
146.00	10,348.00	GGDS SH & INTER. (PLU 28 BS 707H)	MWD+IGRF	OWSG MWD + IGRF or WMM	
10,453.00	24,549.00	GGDS CURVE LATERAL (PLU 28 BS 707)	MWD+IGRF+MS	OWSG MWD + IGRF or WMM + Multi-Station Correctic	

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
0.00	0.00	0.00	0.00	3,369.00	0.00	0.00	401,304.40	672,461.10	0.00	0.00
146.00	0.44	324.22	146.00	3,223.00	0.45	-0.33	401,304.85	672,460.77	0.30	-0.46
236.00	0.75	299.62	235.99	3,133.01	1.03	-1.04	401,305.43	672,460.06	0.44	-1.03
324.00	1.01	309.72	323.98	3,045.02	1.81	-2.14	401,306.21	672,458.96	0.34	-1.81
388.00	1.27	318.69	387.97	2,981.03	2.70	-3.04	401,307.10	672,458.06	0.49	-2.71
451.00	1.10	315.61	450.96	2,918.04	3.66	-3.93	401,308.06	672,457.17	0.29	-3.67
545.00	0.62	341.63	544.95	2,824.05	4.78	-4.72	401,309.18	672,456.38	0.65	-4.80
640.00	0.70	21.62	639.94	2,729.06	5.81	-4.66	401,310.21	672,456.44	0.48	-5.82
732.00	0.79	50.62	731.93	2,637.07	6.74	-3.97	401,311.14	672,457.13	0.42	-6.75
825.00	0.88	83.67	824.92	2,544.08	7.22	-2.76	401,311.62	672,458.34	0.52	-7.23
919.00	0.92	135.26	918.91	2,450.09	6.76	-1.51	401,311.16	672,459.59	0.83	-6.77
1,013.00	1.23	162.33	1,012.90	2,356.10	5.27	-0.68	401,309.67	672,460.42	0.62	-5.27
1,107.00	1.89	190.54	1,106.86	2,262.14	2.78	-0.65	401,307.18	672,460.45	1.06	-2.78
1,200.00	2.15	212.34	1,199.81	2,169.19	-0.20	-1.87	401,304.20	672,459.23	0.87	0.19
1,275.00	1.89	213.66	1,274.76	2,094.24	-2.42	-3.31	401,301.98	672,457.79	0.35	2.41
1,369.00	2.07	207.24	1,368.70	2,000.30	-5.22	-4.94	401,299.18	672,456.16	0.30	5.20
1,462.00	2.20	205.92	1,461.64	1,907.36	-8.32	-6.49	401,296.08	672,454.61	0.15	8.30
1,557.00	2.46	203.11	1,556.56	1,812.44	-11.83	-8.09	401,292.57	672,453.01	0.30	11.81
1,650.00	2.77	211.29	1,649.46	1,719.54	-15.59	-10.04	401,288.81	672,451.06	0.52	15.56
1,745.00	3.12	216.91	1,744.34	1,624.66	-19.62	-12.78	401,284.78	672,448.32	0.48	19.58
1,838.00	3.25	216.21	1,837.20	1,531.80	-23.77	-15.86	401,280.63	672,445.24	0.15	23.72



GeoGuidance Drilling FINAL SURVEY REPORT



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Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
1,936.00	3.52	214.89	1,935.02	1,433.98	-28.48	-19.22	401,275.92	672,441.88	0.29	28.42
2,030.00	4.04	225.26	2,028.82	1,340.18	-33.17	-23.22	401,271.23	672,437.88	0.91	33.10
2,124.00	4.53	242.75	2,122.56	1,246.44	-37.20	-28.88	401,267.20	672,432.22	1.48	37.12
2,217.00	4.57	253.65	2,215.27	1,153.73	-39.93	-35.70	401,264.47	672,425.40	0.93	39.82
2,311.00	4.62	255.41	2,308.97	1,060.03	-41.94	-42.95	401,262.46	672,418.15	0.16	41.81
2,405.00	4.31	258.04	2,402.68	966.32	-43.62	-50.07	401,260.78	672,411.03	0.40	43.47
2,499.00	4.26	258.66	2,496.42	872.58	-45.04	-56.95	401,259.36	672,404.15	0.07	44.87
2,593.00	4.62	259.19	2,590.14	778.86	-46.44	-64.09	401,257.96	672,397.01	0.39	46.25
2,688.00	4.92	260.24	2,684.81	684.19	-47.85	-71.87	401,256.55	672,389.23	0.33	47.63
2,782.00	4.79	259.80	2,778.47	590.53	-49.22	-79.70	401,255.18	672,381.40	0.14	48.99
2,876.00	4.75	258.75	2,872.15	496.85	-50.68	-87.38	401,253.72	672,373.72	0.10	50.42
2,970.00	5.10	258.83	2,965.80	403.20	-52.25	-95.30	401,252.15	672,365.80	0.37	51.96
3,064.00	4.70	259.45	3,059.46	309.54	-53.76	-103.18	401,250.64	672,357.92	0.43	53.45
3,158.00	3.78	260.42	3,153.20	215.80	-54.98	-110.02	401,249.42	672,351.08	0.98	54.66
3,252.00	4.04	261.73	3,246.98	122.02	-55.97	-116.36	401,248.43	672,344.74	0.29	55.63
3,347.00	4.04	261.65	3,341.74	27.26	-56.94	-122.98	401,247.46	672,338.12	0.01	56.58
3,441.00	4.13	266.74	3,435.50	-66.50	-57.61	-129.64	401,246.79	672,331.46	0.40	57.23
3,535.00	3.69	261.56	3,529.28	-160.28	-58.25	-136.01	401,246.15	672,325.09	0.60	57.85
3,630.00	3.21	261.03	3,624.11	-255.11	-59.11	-141.66	401,245.29	672,319.44	0.51	58.69
3,724.00	3.43	256.81	3,717.95	-348.95	-60.17	-147.00	401,244.23	672,314.10	0.35	59.73
3,818.00	3.21	250.31	3,811.80	-442.80	-61.69	-152.21	401,242.71	672,308.89	0.46	61.24
3,911.00	3.30	243.10	3,904.65	-535.65	-63.78	-157.05	401,240.62	672,304.05	0.45	63.32
4,005.00	3.43	238.00	3,998.49	-629.49	-66.50	-161.85	401,237.90	672,299.25	0.35	66.02
4,099.00	3.43	236.77	4,092.32	-723.32	-69.53	-166.58	401,234.87	672,294.52	0.08	69.03
4,170.00	3.60	235.72	4,163.18	-794.18	-71.95	-170.20	401,232.45	672,290.90	0.26	71.44
4,288.00	3.71	232.70	4,280.94	-911.94	-76.35	-176.30	401,228.05	672,284.80	0.19	75.82
4,381.00	3.90	233.09	4,373.74	-1,004.74	-80.07	-181.22	401,224.33	672,279.88	0.21	79.53



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Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
4,476.00	3.35	239.75	4,468.55	-1,099.55	-83.41	-186.20	401,220.99	672,274.90	0.73	82.86
4,570.00	2.86	245.17	4,562.41	-1,193.41	-85.78	-190.70	401,218.62	672,270.40	0.61	85.21
4,664.00	3.09	244.15	4,656.28	-1,287.28	-87.87	-195.11	401,216.53	672,265.99	0.25	87.29
4,758.00	3.20	247.06	4,750.14	-1,381.14	-89.99	-199.81	401,214.41	672,261.29	0.21	89.40
4,853.00	3.20	246.59	4,844.99	-1,475.99	-92.08	-204.68	401,212.32	672,256.42	0.03	91.47
4,946.00	3.47	248.03	4,937.84	-1,568.84	-94.17	-209.68	401,210.23	672,251.42	0.30	93.54
5,040.00	3.76	248.07	5,031.65	-1,662.65	-96.38	-215.17	401,208.02	672,245.93	0.31	95.74
5,134.00	4.02	248.39	5,125.43	-1,756.43	-98.75	-221.10	401,205.65	672,240.00	0.28	98.09
5,227.00	4.11	250.11	5,218.20	-1,849.20	-101.08	-227.26	401,203.32	672,233.84	0.16	100.41
5,321.00	3.89	253.37	5,311.97	-1,942.97	-103.14	-233.48	401,201.26	672,227.62	0.34	102.45
5,416.00	3.58	252.67	5,406.77	-2,037.77	-104.94	-239.40	401,199.46	672,221.70	0.33	104.23
5,510.00	3.96	267.48	5,500.57	-2,131.57	-105.96	-245.45	401,198.44	672,215.65	1.11	105.23
5,603.00	4.87	277.60	5,593.29	-2,224.29	-105.58	-252.57	401,198.82	672,208.53	1.28	104.83
5,698.00	5.09	278.00	5,687.93	-2,318.93	-104.46	-260.74	401,199.94	672,200.36	0.23	103.69
5,792.00	5.46	277.01	5,781.53	-2,412.53	-103.33	-269.31	401,201.07	672,191.79	0.41	102.53
5,885.00	5.53	277.29	5,874.11	-2,505.11	-102.23	-278.14	401,202.17	672,182.96	0.08	101.40
5,980.00	5.61	276.38	5,968.66	-2,599.66	-101.13	-287.30	401,203.27	672,173.80	0.13	100.28
6,074.00	5.55	276.90	6,062.21	-2,693.21	-100.07	-296.38	401,204.33	672,164.72	0.08	99.19
6,167.00	5.55	279.36	6,154.78	-2,785.78	-98.80	-305.28	401,205.60	672,155.82	0.26	97.89
6,261.00	5.69	277.95	6,248.33	-2,879.33	-97.42	-314.38	401,206.98	672,146.72	0.21	96.48
6,355.00	5.89	277.49	6,341.85	-2,972.85	-96.14	-323.78	401,208.26	672,137.32	0.22	95.18
6,449.00	6.04	276.78	6,435.34	-3,066.34	-94.93	-333.47	401,209.47	672,127.63	0.18	93.94
6,542.00	6.26	274.96	6,527.80	-3,158.80	-93.91	-343.38	401,210.49	672,117.72	0.32	92.90
6,637.00	5.84	269.75	6,622.27	-3,253.27	-93.49	-353.37	401,210.91	672,107.73	0.73	92.44
6,731.00	5.52	272.90	6,715.81	-3,346.81	-93.28	-362.67	401,211.12	672,098.43	0.48	92.20
6,825.00	5.15	273.12	6,809.40	-3,440.40	-92.82	-371.40	401,211.58	672,089.70	0.39	91.72
6,919.00	5.26	272.51	6,903.02	-3,534.02	-92.40	-379.91	401,212.00	672,081.19	0.13	91.28



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7,013.00	5.33	274.24	6,996.62	-3,627.62	-91.89	-388.57	401,212.51	672,072.53	0.19	90.74
7,107.00	5.36	274.70	7,090.21	-3,721.21	-91.21	-397.30	401,213.19	672,063.80	0.06	90.03
7,202.00	4.90	273.81	7,184.83	-3,815.83	-90.58	-405.77	401,213.82	672,055.33	0.49	89.37
7,295.00	4.29	270.08	7,277.53	-3,908.53	-90.31	-413.22	401,214.09	672,047.88	0.73	89.08
7,389.00	4.38	268.80	7,371.26	-4,002.26	-90.38	-420.32	401,214.02	672,040.78	0.14	89.13
7,483.00	4.18	264.07	7,465.00	-4,096.00	-90.81	-427.32	401,213.59	672,033.78	0.43	89.54
7,578.00	4.03	256.66	7,559.75	-4,190.75	-91.93	-434.01	401,212.47	672,027.09	0.58	90.65
7,672.00	3.53	256.80	7,653.55	-4,284.55	-93.36	-440.04	401,211.04	672,021.06	0.53	92.05
7,766.00	2.95	255.00	7,747.40	-4,378.40	-94.64	-445.19	401,209.76	672,015.91	0.63	93.32
7,860.00	3.08	249.45	7,841.27	-4,472.27	-96.16	-449.89	401,208.24	672,011.21	0.34	94.82
7,954.00	2.80	246.67	7,935.14	-4,566.14	-97.95	-454.37	401,206.45	672,006.73	0.33	96.60
8,048.00	2.33	255.39	8,029.05	-4,660.05	-99.34	-458.32	401,205.06	672,002.78	0.65	97.98
8,142.00	2.27	252.11	8,122.97	-4,753.97	-100.40	-461.95	401,204.00	671,999.15	0.15	99.03
8,236.00	1.98	252.44	8,216.91	-4,847.91	-101.46	-465.26	401,202.94	671,995.84	0.31	100.08
8,329.00	1.94	256.99	8,309.86	-4,940.86	-102.30	-468.33	401,202.10	671,992.77	0.17	100.91
8,423.00	1.80	256.48	8,403.81	-5,034.81	-103.00	-471.32	401,201.40	671,989.78	0.15	101.60
8,517.00	1.55	248.15	8,497.76	-5,128.76	-103.82	-473.93	401,200.58	671,987.17	0.37	102.41
8,611.00	1.72	241.32	8,591.73	-5,222.73	-104.97	-476.35	401,199.43	671,984.75	0.27	103.56
8,706.00	1.92	245.20	8,686.68	-5,317.68	-106.32	-479.04	401,198.08	671,982.06	0.25	104.90
8,800.00	1.38	252.14	8,780.64	-5,411.64	-107.33	-481.55	401,197.07	671,979.55	0.61	105.90
8,893.00	1.52	259.52	8,873.61	-5,504.61	-107.90	-483.83	401,196.50	671,977.27	0.25	106.46
8,987.00	2.05	258.36	8,967.56	-5,598.56	-108.46	-486.70	401,195.94	671,974.40	0.57	107.02
9,082.00	1.38	251.44	9,062.52	-5,693.52	-109.17	-489.45	401,195.23	671,971.65	0.74	107.72
9,176.00	0.99	239.87	9,156.50	-5,787.50	-109.94	-491.23	401,194.46	671,969.87	0.48	108.48
9,270.00	0.80	222.04	9,250.49	-5,881.49	-110.83	-492.37	401,193.57	671,968.73	0.36	109.37
9,358.00	0.15	33.23	9,338.49	-5,969.49	-111.19	-492.72	401,193.21	671,968.38	1.08	109.73
9,452.00	0.66	43.68	9,432.48	-6,063.48	-110.70	-492.28	401,193.70	671,968.82	0.55	109.24



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 28 BS 707H (107H)
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
9,547.00	0.19	341.60	9,527.48	-6,158.48	-110.15	-491.95	401,194.25	671,969.15	0.63	108.69
9,641.00	0.49	11.98	9,621.48	-6,252.48	-109.61	-491.91	401,194.79	671,969.19	0.36	108.15
9,734.00	0.37	331.06	9,714.48	-6,345.48	-108.96	-491.98	401,195.44	671,969.12	0.35	107.50
9,827.00	0.48	341.72	9,807.48	-6,438.48	-108.33	-492.24	401,196.07	671,968.86	0.15	106.87
9,922.00	0.65	355.58	9,902.47	-6,533.47	-107.41	-492.41	401,196.99	671,968.69	0.23	105.95
10,015.00	0.72	347.80	9,995.46	-6,626.46	-106.32	-492.57	401,198.08	671,968.53	0.13	104.85
10,109.00	0.71	356.79	10,089.46	-6,720.46	-105.16	-492.73	401,199.24	671,968.37	0.12	103.70
10,203.00	0.82	329.43	10,183.45	-6,814.45	-104.00	-493.11	401,200.40	671,967.99	0.40	102.53
10,297.00	0.41	346.43	10,277.44	-6,908.44	-103.09	-493.53	401,201.31	671,967.57	0.47	101.63
10,348.00	0.31	355.62	10,328.44	-6,959.44	-102.78	-493.58	401,201.62	671,967.52	0.23	101.31
10,453.00	0.80	335.27	10,433.44	-7,064.44	-101.83	-493.91	401,202.57	671,967.19	0.50	100.36
10,546.00	0.86	312.45	10,526.43	-7,157.43	-100.77	-494.70	401,203.63	671,966.40	0.36	99.30
10,640.00	1.25	330.89	10,620.41	-7,251.41	-99.39	-495.71	401,205.01	671,965.39	0.55	97.92
10,734.00	1.21	345.74	10,714.39	-7,345.39	-97.54	-496.46	401,206.86	671,964.64	0.34	96.06
10,827.00	1.61	4.75	10,807.36	-7,438.36	-95.28	-496.59	401,209.12	671,964.51	0.66	93.81
10,922.00	1.89	10.60	10,902.32	-7,533.32	-92.41	-496.19	401,211.99	671,964.91	0.35	90.94
11,016.00	2.19	15.03	10,996.26	-7,627.26	-89.15	-495.44	401,215.25	671,965.66	0.36	87.68
11,110.00	0.29	134.70	11,090.24	-7,721.24	-87.59	-494.81	401,216.81	671,966.29	2.50	86.12
11,157.00	4.95	181.87	11,137.18	-7,768.18	-89.70	-494.79	401,214.70	671,966.31	10.12	88.23
11,204.00	10.61	172.64	11,183.73	-7,814.73	-96.02	-494.30	401,208.38	671,966.80	12.29	94.55
11,254.00	15.10	165.63	11,232.46	-7,863.46	-106.90	-492.09	401,197.50	671,969.01	9.49	105.44
11,301.00	17.32	159.18	11,277.60	-7,908.60	-119.37	-488.09	401,185.03	671,973.01	6.08	117.93
11,348.00	21.18	164.54	11,321.96	-7,952.96	-134.10	-483.33	401,170.30	671,977.77	9.02	132.67
11,395.00	25.03	167.70	11,365.19	-7,996.19	-152.01	-478.95	401,152.39	671,982.15	8.60	150.59
11,442.00	29.23	172.23	11,407.01	-8,038.01	-173.11	-475.28	401,131.29	671,985.82	9.95	171.69
11,490.00	34.24	174.22	11,447.82	-8,078.82	-198.17	-472.33	401,106.23	671,988.77	10.66	196.77
11,537.00	39.47	175.67	11,485.42	-8,116.42	-226.24	-469.87	401,078.16	671,991.23	11.28	224.85



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 28 BS 707H (107H)
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
11,585.00	44.20	176.25	11,521.17	-8,152.17	-258.17	-467.62	401,046.23	671,993.48	9.89	256.78
11,632.00	49.75	178.37	11,553.23	-8,184.23	-292.47	-466.04	401,011.93	671,995.06	12.26	291.09
11,679.00	54.43	181.24	11,582.10	-8,213.10	-329.54	-465.94	400,974.86	671,995.16	11.06	328.15
11,726.00	58.46	181.62	11,608.08	-8,239.08	-368.69	-466.92	400,935.71	671,994.18	8.60	367.30
11,773.00	62.82	178.94	11,631.12	-8,262.12	-409.63	-467.10	400,894.77	671,994.00	10.52	408.24
11,820.00	68.22	177.59	11,650.59	-8,281.59	-452.37	-465.80	400,852.03	671,995.30	11.78	450.99
11,866.00	73.33	177.67	11,665.73	-8,296.73	-495.75	-464.00	400,808.65	671,997.10	11.11	494.37
11,913.00	78.75	175.78	11,677.06	-8,308.06	-541.27	-461.39	400,763.13	671,999.71	12.17	539.90
11,960.00	85.28	175.22	11,683.59	-8,314.59	-587.65	-457.74	400,716.75	672,003.36	13.94	586.29
12,007.00	87.61	175.07	11,686.50	-8,317.50	-634.38	-453.77	400,670.02	672,007.33	4.97	633.04
12,054.00	87.72	175.16	11,688.42	-8,319.42	-681.17	-449.77	400,623.23	672,011.33	0.30	679.84
12,148.00	91.19	178.52	11,689.31	-8,320.31	-775.00	-444.59	400,529.40	672,016.51	5.14	773.68
12,242.00	88.59	179.87	11,689.49	-8,320.49	-868.98	-443.27	400,435.42	672,017.83	3.12	867.66
12,336.00	92.90	182.75	11,688.27	-8,319.27	-962.92	-445.42	400,341.48	672,015.68	5.51	961.59
12,429.00	90.99	180.94	11,685.11	-8,316.11	-1,055.81	-448.41	400,248.59	672,012.69	2.83	1,054.47
12,522.00	90.57	180.49	11,683.85	-8,314.85	-1,148.79	-449.57	400,155.61	672,011.53	0.66	1,147.45
12,617.00	90.43	180.24	11,683.02	-8,314.02	-1,243.78	-450.17	400,060.62	672,010.93	0.30	1,242.44
12,712.00	92.03	181.97	11,680.98	-8,311.98	-1,338.74	-452.01	399,965.66	672,009.09	2.48	1,337.39
12,807.00	87.80	179.94	11,681.12	-8,312.12	-1,433.70	-453.59	399,870.70	672,007.51	4.94	1,432.35
12,901.00	87.86	180.16	11,684.68	-8,315.68	-1,527.63	-453.67	399,776.77	672,007.43	0.24	1,526.28
12,995.00	87.83	180.42	11,688.21	-8,319.21	-1,621.56	-454.15	399,682.84	672,006.95	0.28	1,620.21
13,089.00	89.12	180.10	11,690.72	-8,321.72	-1,715.53	-454.57	399,588.87	672,006.53	1.41	1,714.17
13,183.00	88.95	177.46	11,692.30	-8,323.30	-1,809.48	-452.57	399,494.92	672,008.53	2.81	1,808.13
13,203.00	88.75	176.77	11,692.70	-8,323.70	-1,829.45	-451.56	399,474.95	672,009.54	3.59	1,828.11
13,294.00	91.05	176.75	11,692.86	-8,323.86	-1,920.30	-446.42	399,384.10	672,014.68	2.53	1,918.97
13,386.00	91.44	175.24	11,690.86	-8,321.86	-2,012.05	-440.00	399,292.35	672,021.10	1.69	2,010.74
13,478.00	91.11	176.76	11,688.81	-8,319.81	-2,103.80	-433.58	399,200.60	672,027.52	1.69	2,102.51



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 28 BS 707H (107H)
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
13,570.00	89.54	179.34	11,688.29	-8,319.29	-2,195.74	-430.45	399,108.66	672,030.65	3.28	2,194.45
13,662.00	89.79	178.48	11,688.83	-8,319.83	-2,287.72	-428.70	399,016.68	672,032.40	0.97	2,286.44
13,753.00	89.71	179.89	11,689.23	-8,320.23	-2,378.71	-427.41	398,925.69	672,033.69	1.55	2,377.43
13,844.00	89.73	181.28	11,689.67	-8,320.67	-2,469.70	-428.34	398,834.70	672,032.76	1.53	2,468.42
13,936.00	89.76	181.75	11,690.08	-8,321.08	-2,561.66	-430.77	398,742.74	672,030.33	0.51	2,560.38
14,027.00	90.21	180.13	11,690.10	-8,321.10	-2,652.65	-432.26	398,651.75	672,028.84	1.85	2,651.36
14,120.00	89.87	177.56	11,690.04	-8,321.04	-2,745.62	-430.39	398,558.78	672,030.71	2.79	2,744.33
14,213.00	90.94	178.20	11,689.38	-8,320.38	-2,838.55	-426.95	398,465.85	672,034.15	1.34	2,837.28
14,307.00	90.27	178.10	11,688.39	-8,319.39	-2,932.50	-423.91	398,371.90	672,037.19	0.72	2,931.23
14,400.00	90.80	179.81	11,687.52	-8,318.52	-3,025.48	-422.22	398,278.92	672,038.88	1.92	3,024.21
14,495.00	90.57	183.18	11,686.38	-8,317.38	-3,120.42	-424.70	398,183.98	672,036.40	3.56	3,119.15
14,589.00	90.43	183.54	11,685.56	-8,316.56	-3,214.26	-430.20	398,090.14	672,030.90	0.41	3,212.97
14,683.00	90.74	179.99	11,684.60	-8,315.60	-3,308.19	-433.10	397,996.21	672,028.00	3.79	3,306.89
14,777.00	90.60	179.40	11,683.50	-8,314.50	-3,402.19	-432.60	397,902.21	672,028.50	0.65	3,400.89
14,871.00	90.27	179.06	11,682.79	-8,313.79	-3,496.17	-431.34	397,808.23	672,029.76	0.50	3,494.88
14,965.00	89.99	178.63	11,682.58	-8,313.58	-3,590.15	-429.44	397,714.25	672,031.66	0.55	3,588.86
15,059.00	90.91	180.37	11,681.84	-8,312.84	-3,684.14	-428.62	397,620.26	672,032.48	2.09	3,682.86
15,153.00	91.08	182.38	11,680.21	-8,311.21	-3,778.10	-430.88	397,526.30	672,030.22	2.15	3,776.80
15,246.00	89.06	183.12	11,680.09	-8,311.09	-3,870.98	-435.34	397,433.42	672,025.76	2.31	3,869.68
15,339.00	89.90	182.91	11,680.94	-8,311.94	-3,963.85	-440.23	397,340.55	672,020.87	0.93	3,962.53
15,432.00	88.70	183.36	11,682.07	-8,313.07	-4,056.70	-445.31	397,247.70	672,015.79	1.38	4,055.36
15,526.00	90.69	182.49	11,682.57	-8,313.57	-4,150.57	-450.11	397,153.83	672,010.99	2.31	4,149.22
15,618.00	90.60	178.49	11,681.54	-8,312.54	-4,242.55	-450.90	397,061.85	672,010.20	4.35	4,241.19
15,711.00	89.71	176.67	11,681.29	-8,312.29	-4,335.46	-446.97	396,968.94	672,014.13	2.18	4,334.11
15,805.00	90.32	176.17	11,681.26	-8,312.26	-4,429.27	-441.10	396,875.13	672,020.00	0.84	4,427.95
15,899.00	89.85	178.75	11,681.12	-8,312.12	-4,523.17	-436.94	396,781.23	672,024.16	2.79	4,521.86
15,993.00	88.78	178.68	11,682.25	-8,313.25	-4,617.14	-434.83	396,687.26	672,026.27	1.14	4,615.83



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 28 BS 707H (107H)
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
16,087.00	89.68	179.85	11,683.51	-8,314.51	-4,711.12	-433.62	396,593.28	672,027.48	1.57	4,709.81
16,180.00	89.85	178.14	11,683.89	-8,314.89	-4,804.10	-431.99	396,500.30	672,029.11	1.85	4,802.80
16,274.00	92.25	178.08	11,682.17	-8,313.17	-4,898.03	-428.89	396,406.37	672,032.21	2.55	4,896.74
16,368.00	93.06	179.34	11,677.81	-8,308.81	-4,991.90	-426.78	396,312.50	672,034.32	1.59	4,990.61
16,462.00	90.99	179.61	11,674.49	-8,305.49	-5,085.83	-425.92	396,218.57	672,035.18	2.22	5,084.55
16,556.00	89.62	181.52	11,673.99	-8,304.99	-5,179.82	-426.84	396,124.58	672,034.26	2.50	5,178.53
16,650.00	89.20	183.10	11,674.96	-8,305.96	-5,273.74	-430.63	396,030.66	672,030.47	1.74	5,272.44
16,745.00	90.21	183.50	11,675.45	-8,306.45	-5,368.58	-436.10	395,935.82	672,025.00	1.14	5,367.26
16,839.00	90.88	182.36	11,674.56	-8,305.56	-5,462.45	-440.90	395,841.95	672,020.20	1.41	5,461.12
16,933.00	90.01	180.57	11,673.82	-8,304.82	-5,556.41	-443.31	395,747.99	672,017.79	2.12	5,555.07
17,027.00	89.06	179.25	11,674.59	-8,305.59	-5,650.40	-443.16	395,654.00	672,017.94	1.73	5,649.06
17,121.00	89.65	179.26	11,675.65	-8,306.65	-5,744.39	-441.94	395,560.01	672,019.16	0.63	5,743.05
17,215.00	88.73	179.31	11,676.97	-8,307.97	-5,838.37	-440.77	395,466.03	672,020.33	0.98	5,837.04
17,309.00	90.80	179.50	11,677.36	-8,308.36	-5,932.36	-439.79	395,372.04	672,021.31	2.21	5,931.03
17,403.00	91.75	178.60	11,675.27	-8,306.27	-6,026.32	-438.23	395,278.08	672,022.87	1.39	6,025.00
17,497.00	93.46	176.42	11,671.00	-8,302.00	-6,120.13	-434.15	395,184.27	672,026.95	2.95	6,118.81
17,591.00	93.82	174.06	11,665.03	-8,296.03	-6,213.61	-426.37	395,090.79	672,034.73	2.53	6,212.31
17,685.00	90.77	174.12	11,661.26	-8,292.26	-6,307.02	-416.70	394,997.38	672,044.40	3.25	6,305.76
17,780.00	87.38	175.28	11,662.80	-8,293.80	-6,401.59	-407.93	394,902.81	672,053.17	3.77	6,400.35
17,874.00	86.21	177.96	11,668.05	-8,299.05	-6,495.27	-402.39	394,809.13	672,058.71	3.11	6,494.04
17,969.00	86.74	179.28	11,673.89	-8,304.89	-6,590.06	-400.11	394,714.34	672,060.99	1.49	6,588.84
18,063.00	85.98	179.42	11,679.86	-8,310.86	-6,683.86	-399.04	394,620.54	672,062.06	0.82	6,682.65
18,158.00	87.13	180.29	11,685.57	-8,316.57	-6,778.69	-398.81	394,525.71	672,062.29	1.52	6,777.47
18,251.00	89.15	181.76	11,688.59	-8,319.59	-6,871.62	-400.47	394,432.78	672,060.63	2.69	6,870.40
18,346.00	90.60	182.91	11,688.80	-8,319.80	-6,966.53	-404.34	394,337.87	672,056.76	1.95	6,965.30
18,441.00	91.33	183.18	11,687.20	-8,318.20	-7,061.38	-409.38	394,243.02	672,051.72	0.82	7,060.14
18,535.00	93.91	182.89	11,682.90	-8,313.90	-7,155.15	-414.36	394,149.25	672,046.74	2.76	7,153.88



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 28 BS 707H (107H)
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
18,628.00	92.70	181.08	11,677.54	-8,308.54	-7,247.93	-417.57	394,056.47	672,043.53	2.34	7,246.66
18,723.00	93.43	181.83	11,672.46	-8,303.46	-7,342.76	-419.98	393,961.64	672,041.12	1.10	7,341.48
18,817.00	92.39	181.41	11,667.69	-8,298.69	-7,436.60	-422.63	393,867.80	672,038.47	1.19	7,435.32
18,911.00	89.54	179.83	11,666.10	-8,297.10	-7,530.57	-423.65	393,773.83	672,037.45	3.47	7,529.28
19,005.00	88.11	179.46	11,668.03	-8,299.03	-7,624.55	-423.07	393,679.85	672,038.03	1.57	7,623.26
19,099.00	89.71	180.30	11,669.82	-8,300.82	-7,718.53	-422.87	393,585.87	672,038.23	1.92	7,717.24
19,192.00	88.08	180.60	11,671.61	-8,302.61	-7,811.50	-423.60	393,492.90	672,037.50	1.78	7,810.21
19,286.00	89.90	181.18	11,673.27	-8,304.27	-7,905.47	-425.06	393,398.93	672,036.04	2.03	7,904.18
19,380.00	90.32	181.01	11,673.09	-8,304.09	-7,999.45	-426.86	393,304.95	672,034.24	0.48	7,998.15
19,474.00	90.15	180.59	11,672.70	-8,303.70	-8,093.44	-428.17	393,210.96	672,032.93	0.48	8,092.14
19,567.00	91.86	181.32	11,671.07	-8,302.07	-8,186.41	-429.72	393,117.99	672,031.38	2.00	8,185.10
19,661.00	91.27	181.81	11,668.51	-8,299.51	-8,280.34	-432.29	393,024.06	672,028.81	0.82	8,279.02
19,756.00	90.71	180.97	11,666.86	-8,297.86	-8,375.30	-434.59	392,929.10	672,026.51	1.06	8,373.97
19,850.00	93.32	180.90	11,663.56	-8,294.56	-8,469.22	-436.12	392,835.18	672,024.98	2.78	8,467.89
19,943.00	91.81	179.79	11,659.40	-8,290.40	-8,562.12	-436.68	392,742.28	672,024.42	2.01	8,560.79
20,037.00	91.72	178.94	11,656.50	-8,287.50	-8,656.07	-435.64	392,648.33	672,025.46	0.91	8,654.74
20,131.00	92.09	178.25	11,653.38	-8,284.38	-8,749.99	-433.34	392,554.41	672,027.76	0.83	8,748.66
20,225.00	90.55	178.67	11,651.21	-8,282.21	-8,843.93	-430.81	392,460.47	672,030.29	1.70	8,842.61
20,319.00	88.59	178.09	11,651.92	-8,282.92	-8,937.88	-428.15	392,366.52	672,032.95	2.17	8,936.57
20,413.00	88.56	177.40	11,654.25	-8,285.25	-9,031.78	-424.46	392,272.62	672,036.64	0.73	9,030.48
20,507.00	91.78	179.12	11,653.98	-8,284.98	-9,125.72	-421.60	392,178.68	672,039.50	3.88	9,124.43
20,602.00	92.95	180.00	11,650.06	-8,281.06	-9,220.63	-420.87	392,083.77	672,040.23	1.54	9,219.34
20,696.00	90.38	178.81	11,647.32	-8,278.32	-9,314.58	-419.90	391,989.82	672,041.20	3.01	9,313.29
20,789.00	90.74	178.63	11,646.42	-8,277.42	-9,407.55	-417.82	391,896.85	672,043.28	0.43	9,406.27
20,884.00	91.55	178.38	11,644.52	-8,275.52	-9,502.50	-415.34	391,801.90	672,045.76	0.89	9,501.22
20,978.00	91.39	178.65	11,642.11	-8,273.11	-9,596.44	-412.91	391,707.96	672,048.19	0.33	9,595.17
21,073.00	92.42	179.49	11,638.95	-8,269.95	-9,691.37	-411.37	391,613.03	672,049.73	1.40	9,690.11



GeoGuidance Drilling FINAL SURVEY REPORT



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Project:	EDDY COUNTY, NM	TVD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
Well:	PLU 28 BS 707H (107H)	North Reference:	Grid
Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
21,166.00	91.27	179.02	11,635.95	-8,266.95	-9,784.31	-410.16	391,520.09	672,050.94	1.34	9,783.05
21,261.00	89.54	179.88	11,635.28	-8,266.28	-9,879.30	-409.25	391,425.10	672,051.85	2.03	9,878.04
21,355.00	89.96	181.00	11,635.69	-8,266.69	-9,973.29	-409.97	391,331.11	672,051.13	1.27	9,972.03
21,449.00	90.57	181.18	11,635.26	-8,266.26	-10,067.28	-411.76	391,237.12	672,049.34	0.68	10,066.01
21,542.00	90.86	181.42	11,634.10	-8,265.10	-10,160.24	-413.86	391,144.16	672,047.24	0.40	10,158.97
21,635.00	89.65	180.27	11,633.68	-8,264.68	-10,253.23	-415.24	391,051.17	672,045.86	1.79	10,251.95
21,730.00	88.78	179.45	11,634.98	-8,265.98	-10,348.22	-415.00	390,956.18	672,046.10	1.26	10,346.94
21,824.00	89.37	179.50	11,636.50	-8,267.50	-10,442.20	-414.14	390,862.20	672,046.96	0.63	10,440.93
21,917.00	89.29	179.38	11,637.59	-8,268.59	-10,535.19	-413.23	390,769.21	672,047.87	0.16	10,533.92
22,010.00	91.10	180.46	11,637.27	-8,268.27	-10,628.19	-413.10	390,676.21	672,048.00	2.27	10,626.91
22,104.00	90.63	178.66	11,635.85	-8,266.85	-10,722.17	-412.38	390,582.23	672,048.72	1.98	10,720.90
22,199.00	88.87	178.46	11,636.27	-8,267.27	-10,817.13	-410.00	390,487.27	672,051.10	1.86	10,815.87
22,292.00	89.37	178.81	11,637.70	-8,268.70	-10,910.10	-407.78	390,394.30	672,053.32	0.66	10,908.84
22,387.00	87.89	178.94	11,639.97	-8,270.97	-11,005.05	-405.92	390,299.35	672,055.18	1.56	11,003.79
22,482.00	86.54	178.97	11,644.58	-8,275.58	-11,099.92	-404.19	390,204.48	672,056.91	1.42	11,098.67
22,576.00	89.65	180.32	11,647.71	-8,278.71	-11,193.85	-403.60	390,110.55	672,057.50	3.61	11,192.60
22,670.00	91.33	181.73	11,646.90	-8,277.90	-11,287.83	-405.29	390,016.57	672,055.81	2.33	11,286.57
22,765.00	92.45	181.93	11,643.77	-8,274.77	-11,382.72	-408.32	389,921.68	672,052.78	1.20	11,381.46
22,860.00	91.19	180.54	11,640.75	-8,271.75	-11,477.65	-410.36	389,826.75	672,050.74	1.97	11,476.38
22,954.00	91.39	178.24	11,638.64	-8,269.64	-11,571.61	-409.36	389,732.79	672,051.74	2.46	11,570.35
23,048.00	91.47	177.70	11,636.29	-8,267.29	-11,665.53	-406.03	389,638.87	672,055.07	0.58	11,664.27
23,143.00	88.89	177.61	11,635.99	-8,266.99	-11,760.44	-402.15	389,543.96	672,058.95	2.72	11,759.19
23,237.00	86.40	177.91	11,639.86	-8,270.86	-11,854.28	-398.48	389,450.12	672,062.62	2.67	11,853.04
23,330.00	84.72	178.43	11,647.05	-8,278.05	-11,946.95	-395.52	389,357.45	672,065.58	1.89	11,945.72
23,424.00	85.39	179.56	11,655.16	-8,286.16	-12,040.58	-393.87	389,263.82	672,067.23	1.39	12,039.36
23,519.00	86.43	180.17	11,661.93	-8,292.93	-12,135.34	-393.65	389,169.06	672,067.45	1.27	12,134.12
23,614.00	88.64	181.27	11,666.02	-8,297.02	-12,230.24	-394.84	389,074.16	672,066.26	2.60	12,229.01



GeoGuidance Drilling FINAL SURVEY REPORT



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Site:	POKER LAKE UNIT 28 BS	MD Reference:	PLU 28 BS 707H @ 3369.00usft (N F15 - 32' KB)
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Wellbore:	PLU 28 BS 707H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 28 BS 707H	Database:	TEXAS

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
23,708.00	87.02	182.80	11,669.58	-8,300.58	-12,324.10	-398.18	388,980.30	672,062.92	2.37	12,322.87
23,802.00	89.06	184.52	11,672.79	-8,303.79	-12,417.85	-404.18	388,886.55	672,056.92	2.84	12,416.59
23,896.00	94.64	187.93	11,669.76	-8,300.76	-12,511.19	-414.35	388,793.21	672,046.75	6.96	12,509.91
23,991.00	96.27	187.27	11,660.73	-8,291.73	-12,604.93	-426.86	388,699.47	672,034.24	1.85	12,603.61
24,085.00	94.70	186.01	11,651.74	-8,282.74	-12,697.87	-437.68	388,606.53	672,023.42	2.14	12,696.51
24,179.00	95.34	185.05	11,643.52	-8,274.52	-12,791.07	-446.70	388,513.33	672,014.40	1.22	12,789.69
24,274.00	94.38	182.21	11,635.47	-8,266.47	-12,885.53	-452.69	388,418.87	672,008.41	3.15	12,884.13
24,367.00	95.11	180.29	11,627.77	-8,258.77	-12,978.18	-454.72	388,326.22	672,006.38	2.20	12,976.78
24,462.00	94.67	178.74	11,619.68	-8,250.68	-13,072.83	-453.91	388,231.57	672,007.19	1.69	13,071.42
24,468.00	94.66	178.95	11,619.19	-8,250.19	-13,078.81	-453.79	388,225.59	672,007.31	3.49	13,077.40
24,549.00	94.66	178.95	11,612.61	-8,243.61	-13,159.53	-452.31	388,144.87	672,008.79	0.00	13,158.13

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,238.00	4,231.05	-74.43	-173.72	13 3/8" Casing
10,418.00	10,398.44	-102.23	-493.74	9 5/8" Casing
11,073.00	11,053.24	-87.75	-494.99	Curve KOP
12,061.00	11,688.68	-688.15	-449.19	End of Curve
24,549.00	11,612.61	-13,159.53	-452.31	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 16492

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO PERMIAN OPERATING LLC. BUILDING 5 MIDLAND, TX79707	373075	16492	C-103T
6401 HOLIDAY HILL ROAD			
OCD Reviewer	Condition		
ksimmons	None		